

**DRAINDOWN CHARACTERISTICS  
IN  
UNCOMPACTED ASPHALT MIXTURES  
AASHTO T 305**

**APPARATUS**

- [ ] Forced Draft Oven, capable of maintaining the temperature in a range from 250 - 350°F. Set temperature maintained to within  $\pm 3.6^\circ\text{F}$ .
- [ ] Plates or other suitable containers of appropriate size, with durability to withstand the oven temperatures
- [ ] Standard Basket,  $165 \pm 16.5$  mm deep,  $108 \pm 10.8$  mm wide, with a basket bottom  $25 \pm 2.5$  mm from the bottom of the wire basket assembly. Basket constructed using standard 0.25 inches sieve cloth as specified in AASHTO M 92
- [ ] Spatulas, trowels, mixer, and bowls as needed
- [ ] Balance, class G2, in accordance with AASHTO M 31

**PROCEDURE**

- [ ] Duplicate samples obtained from a truck at the plant in accordance with ITM 580
- [ ] Samples reduced to test sample size by ITM 587
- [ ] Sample placed in a tared wire basket. (Sample not consolidated or otherwise disturbed after transferred to basket)
- [ ] Weight of sample determined to the nearest 0.1 g. Sample has not cooled more than 77°F below test temperature
- [ ] Weight of plate or other suitable container determined to nearest 0.1 g
- [ ] Basket placed on plate or container and assembly placed into oven at the plant production temperature for  $1 \text{ h} \pm 5 \text{ min}$ . (If sample has cooled more than 77°F below test temperature, the test should be conducted for  $70 \pm 5 \text{ min}$ .)
- [ ] After designated time in oven, basket and plate or container removed and the weight of plate or container determined to nearest 0.1 g

**AASHTO T 305**

[ ] Percent of mixture that drained determined as follows:

$$\text{Drainage} = \frac{A - B}{C} \times 100$$

where:

A = Final weight of plate or container, g

B = Initial weight of plate or container, g

C = Initial total sample weight, g

[ ] Average of two tests determined

NA - Not Applicable

X - Requires Corrective Action

√ - Satisfactory

\_\_\_\_\_  
Acceptance Technician

\_\_\_\_\_  
INDOT

\_\_\_\_\_  
Date

Comments \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_